



## Degree Plan for Bachelor of Science Degree in Biology, Pre-health Sciences Option

### DEGREE PLAN

#### Bachelor of Science in Biology, Pre-Health Sciences Option, 2020/2021 version

#### Degree Completion Plan Beginning in Fall Semester

Freshman				Sophomore			
Fall	Hrs.	Spring	Hrs.	Fall	Hrs.	Spring	Hrs.
Gen. Bio. Maj./lab	3 or 4	Botany or Zoology	4	Zoology or Botany	4	Microbiology	4
Gen Chem I/Soc Sci	3 or 4	College Algebra	3	Univ Chem I	4	Univ Chem II US	4
Henderson Seminar	1	Gen Chem II/Elective	3 or 4	Stud. Lit./World Lit.	3	His./Am.Nat.Gov.	3
English A	3	English B	3	Social Sci/Elective	3	Oral Comm.	3
World Civ.	3			Appl.Biostat	3		
Life Fitness or PE	1						
<b>Total Hours</b>	<b>14-16</b>	<b>Total Hours</b>	<b>13-14</b>	<b>Total Hours</b>	<b>17-18</b>	<b>Total Hours</b>	<b>14</b>

  

Junior				Senior			
Fall	Hrs.	Spring	Hrs.	Fall	Hrs.	Spring	Hrs.
Human A and P I	4	Human A and P II	4	Cell Biol	4	General Ecol	4
Comp. Anat. Vert.	4	Genetics	4	Animal Phys	4	Biology Elective	3 or 4
Physics I	4	Physics II	4	Non-West Culture	3	Humanities	3
Organic Chem I	4	Organic Chem II	4	Writing Course	3		
<b>Total Hours</b>	<b>16</b>	<b>Total Hours</b>	<b>16</b>	<b>Total Hours</b>	<b>14</b>	<b>Total Hours</b>	<b>10-11</b>

120 hours are required for graduation.

42 upper-level (junior/senior) hours are required.

Degree plan includes some optional, but highly recommended courses. Please consult with your departmental advisor for additional details or if you have questions.

Students interested in particular graduate or professional programs should consult closely with their advisors, as requirements may be different. Dental, medical, and optometry programs require Biochemistry I (sometimes only the lecture component of the course is required). Pharmacy programs generally require Calculus I.

If students plan on minoring in chemistry, one additional semester of chemistry will be required — Biochemistry I will satisfy this requirement — See undergraduate catalog.

Two writing (WI) intensive courses are required.

At least one WI course must be in biology.

Note: Courses may be taken in semesters other than those shown above. Consult with your advisor for alternative scheduling. See information on reverse side of this sheet for a full list of core courses.

- It is the responsibility of the student to be familiar with all degree requirements as listed in the University Catalog.
- Students shall verify that they have completed all the appropriate prerequisites before enrolling in classes.
- Students shall complete an application for graduation no later than the semester preceding their anticipated graduation date.
- **Recommended Chemistry Course Sequence for Pre-health Sciences (Pre-Dental, Pre-Medical, Pre-Optometry, Pre-Osteopathy, Pre-Pharmacy, Pre-Physical Therapy, Pre-Physician Assistant, and Pre-Veterinary) Biology Majors:** The vast majority of our majors

benefit from taking CHM 1034 General Chemistry I during their freshman year, prior to enrolling in CHM 1014 University Chemistry I. The general chemistry to university chemistry course sequence recommended for pre-health sciences biology majors, based on a long-proven track record, provides the greatest likelihood of success in this portion of the curriculum. Pre-health sciences students are encouraged to work closely with the advisor in their particular focus area to help ensure timely and successful progression of coursework to graduation. The Department of Chemistry and Biochemistry recommends a score of 22 or higher on the Mathematics component of the ACT and/or prior completion of MTH 1243 college Algebra to enroll directly in CHM 1014. Medical school admissions committees generally place considerable emphasis on the GPA achieved in the chemistry curriculum and this carries a great deal of weight in evaluating the potential for applicants' prospects of success. Depending on the previous school attended and courses completed, transfer students may have additional considerations, and should seek advice from their departmental advisor as soon as possible.

Note: pre-medical biology majors are not required to take CHM 1034 to earn the biology degree; however, it is highly recommended as a preparation for CHM 1014 (see previous paragraph for additional details). If the student chooses to take it, he/she will be better prepared for success in subsequent chemistry courses and the MCAT. If CHM 1034 is taken, it may require at least one summer class to be prepared to take the MCAT during the junior year.

Student signature \_\_\_\_\_ Date \_\_\_\_\_

Advisor signature \_\_\_\_\_ Date \_\_\_\_\_

Revision: 1/22/21